MCAQ Compliance Inspection Checklist – Asphalt Plants

Industry Overview: Asphalt plants make paving material by mixing various sizes of stone (often termed aggregate) with a viscous binder. Different grades of material are produced, using virgin and/or recycled feed material, primarily by using different aggregate size gradations. The organic binder used in the process varies seasonally. More volatile organic binders are used when the weather is relatively cold. There are two (2) main styles of asphalt plants – batch mix and drum mix. Batch mix asphalt plants use a batch process. Drum mix plants use a continuous process.

Pollutants of concern: TSP, PM-10, PM-2.5, CO, VOC, SO_2, NO_x, HAPs, TAPs

Note: Refer to Specific Conditions and Limitations in the permit for additional inspection checkpoints

Inspection Points	Inspected?		Results and Comments
	Yes	No	
A. VE Observation			
1. Check for stack visible emissions. Perform Method 9 analysis. (Minimum observation time is 10 minutes)			
B. Facility Info			
1. Type of Facility (batch/drum? Concurrent/Countercurrent? Warm Mix/Hot Mix?)			
2. Production rate during the inspection (are conditions representative)?			
3. Verify there are no other processes/equipment on site not listed on the permit.			
C. RAP Facility			
1. Is there an associated RAP facility at this location?			
2. Verify the owner of the equipment.			
3. Attach Aggregate Processing check list as applicable.			
4. Does facility burn post-consumer reclaimed asphalt roofing shingles (PRAS)?			
D. Baghouse			
1. Check for concurrent operation of baghouse and asphalt production.			
2. Check pressure drop.			
3. Check inlet gas temperature.			
4. Ask/verify bag cleaning method?			

5. Check exterior condition of baghouse (e.g. leaks, holes, etc.).			
6. Check dust collection/containment system.			
7. Verify stack parameters comply with modeled limits - if applicable.			
E. Fugitive Emissions			
1. Status of fugitive dust complaints and/or fugitive dust plan?			
2. Are there fugitive emissions at truck loadout?			
3. Are there fugitive emissions from haul roads, front end loaders, etc?			
4. Observed/evidence of fugitive emissions from silo loading?			
5. Are there fugitive emissions from the capture or control methods/systems?			
6. Check that no fugitive emissions are extending beyond the property line.			
F. Records Review			
1. Check required monitoring, inspection and maintenance records?			
2. Check records of asphalt production and compliance with permit limits?			
3. Check fuel types consumed and compliance with permit limits.			
4. Check fuel certifications and analytical test results.			

Notes:

Name / Date